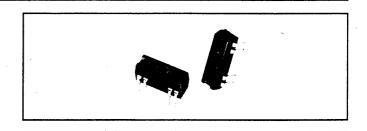
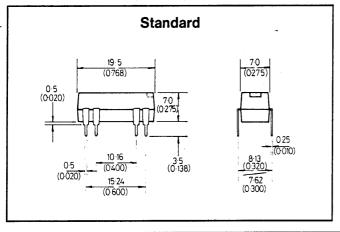
700 SERIES

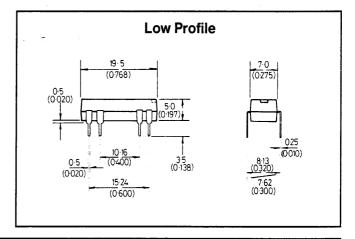
DUAL-IN-LINE Reed Relays

- transfer molded relays in IC style packages
- designed for automatic insertion into IC-sockets or PC boards



1 Dimensions (in mm, () = in inches)





2 General Specifications

Electrical Data

Voltage Hold-off (at 50 Hz, 23° C, 40% RH) 500 V d.c. coil to contact (for relays with contact type 5, 2500 V d.c.) spare pins removed coil to electrostatic shield 150 V d.c. between all other mutually insulated terminals 500 V d.c. Insulation resistance (at 23°C, 40% RH)

coil to contact

 $10^{10} \Omega$ min. (at 100 V d.c.)

Mechanical Data

Shock	50 g (11 ms) 1/2 sine wave
(for Hg-wetted contacts	5 g (11 ms) 1/2 sine wave)
Vibration	20 g (10 – 2000 Hz)
(for Hg-wetted contacts	consult HAMLIN office)
Temperature Range (for Hg-wetted contacts	-40 to +85° C -38 to +85° C)
Drain time (for Hg-wetted contacts)	30 sec. after reaching vertical position
Mounting	any position
(for Hg contacts type 3	30° max. from vertical)
Pins	tin plated, solderable, ☑ Ø 0,6 mm (0.0236") max.

El Contact Characteristics

Contact type number	2	2	3	4	5	
Characteristic Contact Form		Dry		Hg-wetted	Hg-wetted all position	Dry pressurized
		A B/C		Α		
Contact Rating, max.	W	10	3	50	3	10
Switching Voltage, max.	V d.c.	200	200	400	28	300
Switching Current, max.	Α	0.5	0.25	2.0	0.10	0.5
Carry Current, max.	Α	1.5	1.2	3.0	1.0	1.5
Min. Voltage Hold-off across contacts	V d.c.	250	250	1000	1000	800
Insulation Resistance, min.	Ω	1010	10 ⁹	1010	1010	1010
Initial Contact Resistance, max.	Ω	0.200	0.200	0.070	0.100	0.200

Operating life (in accordance with ANSI, EIA/NARM-Standard) — Number of operations

Load 10 mA/5 V d.c. 100 mA/12 V d.c. 250 mA/28 V d.c. 1 A/28 V d.c. 10 mA/220 V a.c.	10 mA/5 V d.c.	5 × 10 ⁷	107	109	107	5 × 10 ⁷
	100 mA/12 V d.c.	107	7 × 10 ⁶	109	5 × 10 ⁶	107
	250 mA/28 V d.c.	5 × 10 ⁶		108	_	5 × 10 ⁶
	1 A/28 V d.c.	_	-	4 × 10 ⁷	_	_
	_	_	4 × 10 ⁷	_	4 × 10 ⁶	



Contact form	Coil voltage V d.c.	Relay part number*	Coil resistance Ω (±10%)	Must operate voltage max. V d.c.	Must release voltage min. V d.c.	Operate time max. ms	Release time** max. ms
Dry contacts							
	5	HE721A04□□	500	3.80	0.8		
	5	HE721A05□□	380	3.50	1.0		
1 A .	12	HE721A12□□	530	8.00	2.0	0.5	0.5
Low Profile	15	HE721A15□□	2000	11.50	3.0		
	24	HE721A24□□	2000	16.00	4.0		
1 A	5	HE721A05□□	⁻ 500	3.75	0.5		
Standard	12	HE721A12□□	1000	8.00	1.0		0.5
Otaridara	24	HE721A24□□	2150	16.00	2.0	0.5	
	5	HE722A05□□	200	3.75	0.5		-
2 A	12	HE722A12□□	500	8.00	1.0	0.5	0.5
	24	HE722A24□□	2150	16.00	2.0	0.5	
	5	HE721B05□□	200	3.75	0.5		0.5
1 B	12	HE721B12	500	8.00	1.0		
	24	HE721B24□□	2000	16.00	2.0	0.5	
	5	HE721C05□□	200	3.75	0.5	· · · · · · · · · · · · · · · · · · ·	
1 C	12	HE721C12□□	500	8.00	1.0	1.5	
	24	HE721C24□□	2000	16.00	2.0		1.5
Hg-wetted co	ntacts - 3	0° from vertical					
	5	HE731A05□□	55	3.75	0.5	2.0	
1 A	12	HE731A12□□	300	9.00	1.0		2.0
	24	HE731A24□□	1100	18.00	2.0	2.0	
Hg-wetted co	ntacts – al	l position					
1 A	5	HE741A05□□	55	3.75	0.5	3.0	
	12	HE741A12□□	300	9.00	1.0		
	24	HE741A24□□	1150	18.00	2.0		3.0
High voltage	hold-off co	ontacts					
	5	HE751A05□□	500	3.75	0.5		· · · · · · · · · · · · · · · · · · ·
1 A	12	HE751A12□□	1000	8.00	1.0		
	24	HE751A24□□	2150	16.00	2.0	0.5	0.5

 $^{^{}ullet}$ Please specify the missing digits \Box of relay part number as shown in the ordering guide.

Note: Electrostatic shield not available on low profile versions.

On most types magnetic shield option is available. For details contact HAMLIN sales office.

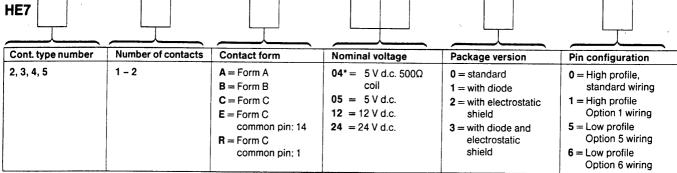
5 Connections (viewed from above) - 2.54 mm (0.1") grid

1 Form A, Standard and Option 5, HE721A, HE 731A, HE 741A	1 Form A, Option 1 and 6, HE 721A	2 Form A HE722A	1 Form B HE721B	1 Form C HE721C	1 Form A HE751A	1 Form C HE721E	1 Form C HE721R
UP H			D	D			D

UP indicates mounting position for relays with Hg-wetted contact type 3.

ES = indicates pin for electrostatic shield

Ordering guide



^{*} This code is only valid for low profile version (option 5 and 6).

^{**} Release time will be increased with diode option.